

Appln. No. 09/961,362
Amendment dated: June 16, 2005
Reply to Office Action of April 21, 2005

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Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Claim 1 (Previously presented): A method of communicating between a host optical system controller and an optical subcontroller, the method comprising:

- sending an initial command message from said host to said subcontroller, said command message including a first command identifier indicating a command from said host to said subcontroller;

- receiving said first command message at said subcontroller;

- consulting a command database at said subcontroller to interpret said first command message, said database containing multiple possible valid command identifiers, each command identifier having a corresponding interpretation and action in said database based on a specific type of optical device connected to said subcontroller;

- at said subcontroller, implementing an action corresponding to said first command message based on said corresponding interpretation of said command identifier and formulating a proper response to said command identifier based on a result of said corresponding action; and

- sending a response message from said subcontroller to said host, said response message indicating a success or failure of said corresponding action, wherein said subcontroller ignores subsequent command messages received prior to sending a response message responsive to the first command message, and wherein said subcontroller controls at least one optical device for use in optical

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networking.

Claim 2 (Original): A method as in claim 1 wherein each response message includes at least one optical parameter to be set by said optical subcontroller.

Claim 3 (Original): A method as in claim 1 wherein said first command message includes at least one optical parameter to be set by said optical subcontroller.

Claim 4 (Original): A method as in claim 3 wherein said first command message further includes at least one magnitude to which said at least one optical parameter is to be set.

Claim 5 (Original): A method as in claim 1 wherein said first command message further includes addressing data indicating a portion of an optical subsystem controlled by said optical subcontroller to which the command is to be applied.

Claims 6 - 21 (Cancelled)

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